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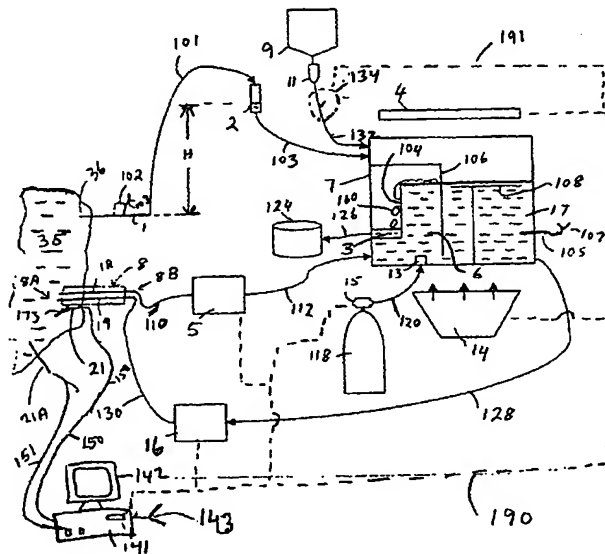
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| (71) <b>Applicant and</b>  |                               | <b>Published:</b><br>— <i>without international search report and to be republished upon receipt of that report</i>   |
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**(54) Title:** DEVICE FOR THE EXTRAVASCULAR RECIRCULATION OF LIQUID IN BODY CAVITIES



**(S7) Abstract:** Biocompatible liquid is pumped into a body cavity (eg. subarachnoid space, peritoneum, mediastinum, pleural space) by means of one pump and removed from it by means a second pump, preferably via a double-barreled catheter is used for insertion and removal of the liquid. An optional secondary catheter removes liquid from a distal area of the body cavity. Temperature and pressure are sensed within the cavity and can be controlled by adjusting liquid flow rates. While outside the body, the liquid can be ultraviolet-sterilized, foam fractionated to remove contaminants, oxygenated and pH balanced, cooled or warmed, and augmented with exogenous liquid that may contain drugs.